

FOR MYSORE STATE

Public Works (1953) Department.

MS. SERIES.

G.O. NO. 4579.

017CF

closed.

22/4

Dated

8/12/53.

[Despatch Abstract.]

Elec. - Mangalore Electrical Undertaking - Breakdown
of generating set in Power House - curtailment of
load - Imposition of restrictions - Ordered.

Electricity Department.

From
Sri K.V. Karantha, M.A., M.I.E.,
Chief Electrical Inspector to
Government, 157, Mount Road,
M a d r a s - 2.

To
The Secretary to Government,
Public Works Department,
Fort St. George,
Madras - 9.

No. 694 K / (Ronda) 52.13 dated 1.12.1953.

Sir,

3 DEC 1953

PUBLIC WORKS DEPARTMENT

Sub : Electricity - Restriction and Control - Mangalore
Electric Supply Company Limited - Breakdown in
Power House - No. 3 - Engine set - curtailment
of load - Imposition of Restrictions.
Ref : Licensee's Telegram dated 30.11.1953.

I enclose herewith a copy of licensee's telegram dated 30.11.1953 together with a copy of Telegram Message for information of Government. The licensee reports that one set of 250 K.W. capacity has failed and it may take sometime before repairs are effected as no spare liner is said to be available. The station peak has gone up to 950 K.W. in the day time and 1150 K.W. in the evening. The available capacity of the Power House is insufficient to meet the above demand. In view of the emergency created by the failure of the set in the Power House, licensee proposes to restrict power loads in the morning, Cinemas, Advertisement, lighting, street lighting and other non essential loads in the evening. Full details are awaited from the licensee. I am authorising licensee to go ahead with restriction in order to tide over the emergency. Full details will be submitted with programme of restriction for approval of Government in due course. On receipt of approval necessary notifications will be issued by me with reference to the powers delegated to me under G.O. No. 4112 Public Works dated 11.10.1951.

Yours faithfully,

(5)

Chief Electrical Inspector to Govt.

Encl: 2.

Copy to Messrs. Mangalore Electric Supply Company Ltd., Mangalore. It would not be correct to consider street lighting loads as non essential. Loads may be restricted, restriction commencing from the most recent load connected or relaxed hours of supply. Restriction in street lighting load may be kept at the minimum. Full details may be submitted urgently.

Copy to the Chief Engineer for Electricity, Madras - 2.
for information with copies of Telegram and telephonic message.
Encl : 2.

1.12.

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Copy of Telegram dated 30.11.1953 from Sri Mangalore Electric Supply Company Ltd., Mangalore to the Chief Electrical Inspector to Government, Madras - 2.

OSL MANGALORE KNA, 30

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ELECTRICITY MADRAS:

NUMBER ONE GENERATING SET SUBSTAINED PISTON SEIZURE DAMAGING PISTON AND LINER OF NUMBER THREE CYLINDER AAA SET OUT OF COMMISSION AS SPARE LINER IS NOT AVAILABLE AAA. --PRESENT DEMAND 950 K.W DAY TIME AND 1150 K.W. EVENING 1000 K.W. ESSENTIAL CURTAIL DEMAND TO 750 K.W. DAY TIME 1000 K.W. EVENING AAA PROPOSALS WILL BE POSTED TOMORROW FOR SANCTION.

A

'ELECTRIC SUPPLY COMPANY'

/True copy/

Trunk Call received from Sri H. Krishnamurthi, Resident Engineer, Mangalore Electric Supply Company Ltd., Mangalore at 5-15 p.m. on 30.11.1953.

"ONE SET 250 K.W. DAMAGED MORNING LOAD 950 K.W. EVENING PEAK LOAD 1150 K.W. SO I HAVE TO CURTAIL MORNING LOAD TO 750 K.W. AND EVENING LOAD TO 1000 K.W. SO ON DRAWING UP THE SCHEME FOR STAGGERING AND RESTRICTION OF POWER LOADS IN THE MORNING AND RESTRICTION ON CINEMAS, ADVERTISEMENT LIGHTING, STREET LIGHTING AND OTHER NON ESSENTIAL LOADS IN THE

pto

4.

EVENING AND THEN AFTER FINALISING, I WILL FORWARD TO THE CHIEF ELECTRICAL INSPECTOR TO GOVERNMENT THE REPORT FOR RATIFICATION. IF THERE IS ANYTHING THAT HE WANTS US TO DO IN THE MEANTIME, LET HIM SEND MESSAGE OR SUCH THING TO US".

-True copy--

④ *V. Changanam* 8/12
Assistant Engineer (Electrical):

Rs. 112.

13
1.12

SPECIAL

Electricity Department.

From
Sri K.V. Karantha, M.A., M.I.E.,
Chief Electrical Inspector to
Government, 157, Mount Road,
M a d r a s - 2.

To
The Secretary to Government,
Public Works Department,
Fort St. George,
M a d r a s - 9.

No. 694-K/R&C/52-14 dated 4.12.1953.

Sub :: Electricity - Restriction and Control -
Messrs. Mangalore Electric Supply Co. Ltd.
Mangalore - Breakdown in the Power House-
Emergency -

Ref :: This office No. 694-K/R&C/52-13
dated 1st December, 1953.

Further to the above, I forward herewith a copy of licensee's letter No. MAN/2731/67-B dated 1.12.1953 together with a copy of letter No. Man-2737/67-B dated 2.12.1953 and a copy of telegram dated 3.12.1953 for information of Government. It may be noted therefrom that besides breakdown of the No. 1 Sulzer set in the licensee's Power House the No. 5 Petter set has also temporarily gone out of order. The licensee expects to recommission the Petter set early, but it may take some time before the Sulzer set is repaired. This would require urgent action to be taken to curtail the load demand in the Power House to tide over the emergency successfully. The licensee reports to have sought the co-operation of the consumers to secure immediate load reduction. Restrictions such as curtailing street lighting load, Display lights, staggering of industrial loads etc. as detailed below will have to be urgently imposed. In G.O. Ms. No. 4112 dated 11.10.1951, Government authorised the Chief Electrical Inspector to Government under section 3 of the Madras Essential Articles Control and Requisitioning Temporary Powers Act 1949 to enforce restrictions in the areas of self generating licensees in accordance with any scheme of restrictions which may from time to time be sanctioned by the State Government to meet the emergency in the areas. I, therefore, request Government's urgent approval for imposing the following restrictions in the Mangalore Licensee's area. I also request that I may be permitted to impose further restrictions if the necessity arises in anticipation of approval of Government.

Restrictions:

(1) The Mangalore Electric Supply Company Limited shall not comply with any requisition for new Electric supply or resumption in supply or increase in supply whether already sanctioned or otherwise excepting supplies for essential purposes specially sanctioned by the Chief Electrical Inspector to Government.

(2) The weekly holidays of all industrial consumers are to be compulsorily staggered as per the programme approved by the Chief Electrical Inspector to Government.

(3) Cinemas taking supply from the Mangalore Electric Supply Company Limited should not give shows between 6 p.m. and 9 p.m. except on Sundays.

(4) Electricity street lighting is to be curtailed by removal of alternate lamps except at important road crossings and in business centres.

(5) All external Electrical illuminations for advertisement purposes and display lights are to be cut off between the hours 6 p.m. and 8-30 p.m.

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(6) All domestic appliances like heaters, cookers, refrigerators, ~~visions~~ etc. to be switched off between the hours 6 p.m. to 8.30 p.m.

✓ To make the restrictions effective and bring about the anticipated relief, I request that Government may in exercise of powers conferred by section 3 of the Madras Essential Articles Control and Requisitioning (Temporary Powers) Act 1949, authorise me to empower Mangalore Electric Supply Company Ltd., to disconnect supply to any consumer who has been repeatedly found violating the restrictions imposed.

The consumer will be given 24 hours notice in writing of the intention of the Mangalore Electric Supply Company Limited to discontinue the supply.

3 I request that early approval of Government may be given to the above.

Yours faithfully,

(Signature)

(12)

Chief Electrical Inspector to Govt.

Encl: 2.

Copy to the Chief Engineer for Electricity, Madras 2 with copy in each of licensee's letters and telegram for information.

Copy to Messrs. Mangalore Electric Supply Company Ltd., Mangalore for information. Necessary notifications will be issued on receipt of Government orders.

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6.12

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Enclosure.

Copy of letter No. MAN/2731/67B, dated 1-12-53 from M/s. The Mangalore Electric Supply Company Ltd., Mangalore, to the Chief Electrical Inspector to Government, 157, Mount Road, Madras 2.

Electricity - Mangalore Electric Supply Co., Ltd., Generating Capacity - Reduction on account of Damage to one Set - Restrictions.

I have to report to you that on the 27th ultimo at about 8 P.M. a sound was heard from No.1 Sulzer Engine generating set, capacity 250 K.W. Immediately the Set was stopped and on opening the Engine it was found that the piston of No.3 cylinder had seized the causes for which could not be ascertained as the oil as well as the water circulation were perfectly free. The piston and the liner were pulled out and it was found that these had seized all round the circumference and both the piston and the liner had developed very fine cracks. Next day arrangements were made to replace the damaged piston and liner by means of one old welded liner and a brand new piston. The work could not be completed before the evening but with the co-operation of the members of the public to reduce the load the peak load on Saturday evening was met. At about 8 P.M. on Saturday when the piston and liner had all been assembled and the Set was about to start, water was allowed to circulate through the engine and it was then found that the liner was leaking and all hopes of being able to recommission the Set were lost and the work had to be abandoned on that day. Efforts are being made to get the liner re-welded at the spot where the water was found leaking and to use that liner again. So far it has not been possible to do so.

As you are probably aware from the reports sent to your office the demand on the Power House during the daylight hours varies between 860 K.W. and 950 K.W. depending on the working of some of the industrial consumers; but it is found that with the cessation of monsoon and the weather and trade conditions improving during the season, the peak load during the morning has been increasing and coming nearer 950 K.W. The evening peak load has been reaching a figure of 1150 K.Ws. Consequent on the damage to No.1 Set it has now become imperative to reduce the load during daylight time to 750 K.W. and the evening peak to a maximum of 1000 K.W. so that only three Sets need be worked during the daylight hours to enable one set to be off the bars alternatively after every few hours run for maintenance purposes. Accordingly, the under-signed tried to contact you on Monday, the 30th ultimo over the 'phone but he was unsuccessful. However, he was able to contact the Chief Accountant of your Office at 5 P.M. and gave him a message to be handed over to you the next day. This was also confirmed by a telegraphic message sent to you the same day reading as follows:-

"Number One Generating Set Sustained Piston Seizure Damaging Piston and Liner of Number Three Cylinder AAA ~~Present~~ Set out of Commission. As Spare Liner not Available AAA Present Demand 950 K.W. Daytime and 1150 K.W. Evening AAA Essential Curtail Demand to 750 K.W. Daytime and 1000 K.W. Evening AAA Proposals will be Posted Tomorrow for Sanction"

In order to reduce the demand on the Power Station during the day time by 200 K.Ws and during the evening hours by not less than 150 K.Ws. it is essential to introduce staggering of weekly holidays of all industrial consumers. A tentative programme has been worked out but as certain difficulties have arisen this is again being checked and a full statement will be forwarded to you either tomorrow or day after. In order to curtail the demand during the evening hours, it is proposed to stop the evening shows of the six cinemas on all week days, to reduce street lights by taking off the

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- 2 -

alternate lamps except at important road crossings and ~~business~~ business centres, to prohibit all external advertisement by the Commercial and business consumers. The consumers concerned have all voluntarily agreed to the suggestions made. The above will bring down the demand approximately by about 100 K.Ws and it would still be necessary to find ways and means of curtailing other loads to give a further reduction on the demand by 50 K.Ws. A notice has also been issued to all the consumers to co-operate with the Company in reducing lighting and domestic loads as far as possible to the minimum and to curtail the use of all domestic appliances during the period of 6 P.M. and 10 P.M. The effect of this will be reported to you in due course before taking further measures to curtail the demand. If after all this it ~~is~~ is found that the demand does not get reduced, measures will have to be taken to ration supply to the consumers for shops, business houses, hotels and restaurants.

It is also requested in this connection that with immediate effect, permission may be given to the Company so that no further domestic loads whether sanctioned or not are connected in any consumers premises.

A liner is on order with Messrs. Sulzer Brothers, Switzerland but is ~~is~~ expected to be despatched from Works some time in April/May 1954. In the meantime efforts are being made to get one of the local workshops to manufacture a liner to the dimensions of the old damaged liner and if successful it may be possible to recommission the Set much earlier. I will communicate with you about the success of my enquiry within the next few days. In the meanwhile efforts are being made to get one of the old liners by patch repaired and to use it for recommissioning of the set and if successful to run the set at least to take half load. I will keep you advised on this matter.

M.

Just after dictating to you the above, I have received your telegram of the 1st instant reading "Your Telegram 30th Proposal to Restrict Load Approved" for which I am greatly thankful.

/True copy/

gp/4.12.53.

① V. Langemann 84
Assistant Engineer (Electrical) 4/12

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Copy of letter No.Man/2736/67B dated the 2nd December 1953
from Messrs Mangalore Electric Supply Company Limited, to the Editor,
'Navabharath', Codialbail, Mangalore,

I confirm having handed over to you last night two notices to be published in your paper to be issued this morning. I find from the issue of this morning that these have been published and I thank you for the very prompt attention given to my request. I shall be glad to have your bill in due course.

-True copy-

Memo.Ref.No.Man/2737/67B. dated 2-12-53

Copy to the Chief Electrical Inspector to Government, 157,
Mount Road, Madras-2 together with a copy of the notices which have been published in the local daily Navabharath.

-True copy-

THE MANGALORE ELECTRIC SUPPLY COMPANY LIMITED

NOTICE TO CONSUMERS

The consumers are hereby informed that due to causes beyond the control of the Company, one of the Generating Sets in the Power House has sustained damages with the result that it is out of commission. As the Power House is fully loaded, it has become imperative to reduce the load on the station so as to keep it within the capacity of the available sets. The consumers are therefore earnestly requested to co-operate with the Company in curtailing their consumption by the following methods:-

1. All external illumination and advertisement lights to be switched off between the hours of 6 P.M. and 8.30 P.M.
2. Switch off all unnecessary and non-essential lights and fans.
3. All domestic appliances like heaters, cookers, refrigerators, irons, etc. to be switched off between the hours of 6 P.M. and 8.30 P.M.

Mangalore.
1st December 1953.

-True copy-

THE MANGALORE ELECTRIC SUPPLY COMPANY LIMITED.

IMPORTANT NOTICE TO CONSUMERS.

Attention of all consumers who take supply of electrical energy for Motive Power Equipment, however small, whether for industrial or for domestic purposes, is drawn to the fact that under the condition of supply of the Company and the Government sanction they are prohibited from using such equipment between the hours of 6 P.M. and 10 P.M. They are earnestly

P.T.O.

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requested not to use the energy during those hours. If, however, any consumer is found to be using the Motive Power Equipment during the peak load hours of 8 P.M. and 10 P.M. the company will be reluctantly compelled to reduce the supply or to disconnect the supply to the entire installation so as to protect the interests of all other consumers as well as that of the Company.

Mangalore.
1.12.1953.

-True copy-

VB/4.12.53

V. Mangaraj
ASSISTANT ENGINEER (ELECTRICAL)

4/12

12.12.

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Copy of letter No. 2719/67/3, dated 1-12-1953 of M/s Mangalore Electric Supply Co., Ltd., Managing Agents, Octavious Steel & Co., Ltd., Calcutta. ~~Six cinemas in Mangalore area.~~

Electricity - Breakdown of Generating Set - Restriction

I regret to inform you that one of the Generating Sets in the Company's Power House has been damaged with the result that it cannot be worked. As the load on the Power House is more than the capacity of the Generating Sets, it is imperative to reduce that load by curtailing supply. In the circumstances, I request you to kindly extend your co-operation by not running the theatre between the hours of 6 P.M. and 8.30 P.M. on week days, until such time as the damaged engine is repaired so that electricity supply essential to the life of the town is maintained.

Sd. X X X
Resident Engineer.

Memo. Ref. No. Man/2720/67/3 dated 1st December 1953.

Copy to the Collector and District Magistrate, South Kanara, Mangalore for information.

- o -

Memo. Ref. No. Man/2721/67/3 dated 1-12-1953.

Copy to the Chief Electrical Inspector to Government., 157, Mount Road, Madras.2. for information. The owners have agreed to the suggestion.

Sd. H. Krishnamurthy,
Resident Engineer.

/True copy/

13
ns.4, 12.4.53

④ *V. Sangaiah*
Assistant Engineer(Electrical) *4/12*

Copy of telegram dated 3-12-53 from the Mangalore Electric Supply Co. Ltd.
to the Chief Electrical Inspector to Government, Madras.

O TC MANGALORE KNA '3 61 ELECTRICITY MADRAS

NO 5 PETER BRUSH SET SUSTAINED PISTON SEIZURE
NUMBER THREE CYLINDER ON SECOND INSTANT AAA SPARE
LINER AND PISTON AVAILABLE AAA EXPECT RECOMMISSION
TODAY ABOUT NINETEEN HOURS AAA NO I SULZER SET
NOT YET. COMMISSIONED AAA MEANWHILE HEAVY RESTRICTIONS
HAD TO BE IMPOSED ON INDUSTRIAL DOMESTIC AND
COMMERCIAL CONSUMERS AAA FULL REPORT WILL FOLLOW

ELECTRIC SUPPLY CO.

(True copy)

②

V. Gangaraj 6/12
Assistant Engineer (Electrical)

1/2
4.11

Special

7x15

pief

pp 5-7ef

pief j pp 5-7ef

pp 5-7ef

Vide x on p 2 nf

210 —

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P.W.D.(P-1).

G.O.Ms.No. 4579 dt. 8.12.53

Sub:-Electricity - Mangalore
Electrical Undertaking -
Breakdown of generating set
in Power House - Curtailment
of load - Imposition of
restrictions - Ordered.

Ref:-From the C.E.I.G. letter No.
694-K/R&C/52-13 dated
1-12-1953.
From the C.E.I.G. letter
No.694-K/R&C/52-14
dated 4-12-1953.

ORDER:-

The C.E.I.G. has reported that
an emergency has been created in the
area of supply of the Mangalore
Electrical Undertaking owing to the
breakdown of a generating set in the
licensee's Power House. In order to
tide over the difficult period of
power shortage successfully, the
C.E.I.G. has proposed that the
following scheme of restrictions may
be imposed on the consumers of Elec-
trical energy in the area of supply
of the Mangalore Electrical Under-
taking during the period of the
emergency:-

(i) The licensee, the Mangalore
Electric Supply Co.Ltd., shall not
comply with any requisition for new
Electric supply or resumption in
supply or increase in supply whether
already sanctioned or otherwise
excepting supplies for essential
purposes specially sanctioned by the
C.E.I.G.

(ii) The weekly holidays of all
industrial consumers ~~should~~ ^{shall} be
compulsorily staggered as per

16
programme to be approved by the
C.E.I.G.

(iii) Cinemas taking supply from the
Mangalore Electric Supply Co. Ltd. ^{shall} ~~should~~
not give shows between 6 P.M. and 9 P.M.
except on Sundays.

(iv) Electricity consumption for street
lighting purposes ^{shall} ~~should~~ be curtailed
by removal of alternate lamps except at
important road crossings and ^m business centres.

(v) All external Electrical illuminations
for advertisement purposes and display lights
^{shall} ~~are to~~ be cut off between the hours 6 P.M.
and 8.30 P.M.

(vi) All domestic appliances like heaters,
cookers, refrigerators, irons, etc. ^{shall} ~~should~~ be
switched off between the hours 6 P.M. and 8.30
P.M.

The Government approve the enforcement
of the above restrictions proposed by the
C.E.I.G. throughout the area of supply of
the Mangalore Electrical Undertaking so
long as the emergency lasts.

2. The restrictions scheme detailed
in para. 1 above and any further restric-
tions that may be sanctioned by the
Government later in connection with the
emergency will be enforced by the C.E.I.G.
under the powers delegated to him in
G.O. Ms. No. 4112 P.W. dated 11-10-51.

3. The Government also permit the
C.E.I.G. to impose any further restric-
tions if ^{the} ~~such~~ necessity arises in antici-
pation of approval of the Government.

Vide X over p 2 nt

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— c' —

— d v —

Vide page 4, p. 4 of 10

Contd. 3-1-52
7/1/52

1/21-22 of 10

A over p 57 f

para 2, p 7e

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In order
4. ~~With a view~~ to ensure effective enforcement of the restrictions ordered in para. 1 above, so as to bring the anticipated relief to the system, the Government authorise the C.E.I.G. under section 3 of the Madras Essential Article Control and Requisitioning (Temporary Powers) Act, 1949, to empower the licensee to disconnect supply to any consumer ^{who has been} repeatedly found violating the restrictions ^{imposed,} after giving 24 hours notice in writing.

5. The District Magistrate, S. Kanara, is requested to afford to the C.E.I.G. all the assistance needed to give effect to the scheme.

WHL
11/12/53
1/14/54

N
8-12-53

Items 1-3887
Mangalore
8/1/53
To the C.E.I.G.
To the C.E(E).
To the C.O.E(S).
To the District Magistrate,
S. Kanara, Mangalore.
To the Mangalore, Electric
Supply Co. Ltd. Mangalore.

2-8/cs.

to Commr., Mangalore
Municipality, H.M. M.
" Commr. of Police, C.
" H.E.L.A. Dep.
" Home Dept.
" I. L. C. Dep.

sent to
8/12

17/12/53
3/15

VERY URGENT

21/ P.W.D. Pb

Memo. No. 104102P/53-1 D 10/12/53.

Sub:- Elecyp. - Mangalore Electrical
Undertaking - Breakdown of
generating set in licensee's
Power House.

Ref:- From The C.E.I.G. Lt. No.
694K/RJC/52-14 D 4.12.53.

The C.E.I.G. is requested
to ascertain and report whether
any of the sets damaged in the
~~licensee's Power House in the area~~
was given to the ^{Mangalore Elec. Supply} L. Company by
the Govt. on hire terms, and
if so go to give.

WLB
9/12/53

9/12/53

particulars.

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10/12/53

pp-5-2ef

✗ on purf

To Ad. Sec.
11/12/53

The C.E.I.G. ..

NOTIFICATION.

100279
1000
PUBLIC WORKS DEPARTMENT
Subject: Electricity - Restriction & Control - Restrictions
imposed in the area of the Mangalore Electric Supply
Company Limited - Consequent to breakdown of engine
sets in the power house.

Where as in Public Works Department G.O.Ms.
No. 4112 dated 11-10-51 the Chief Electrical Inspector to
Government has been authorised to regulate the supply of
Electrical energy under Section 3 of the Madras Essential
Articles Control and Requisitioning (Temporary Powers) Act
1949

pp 17-90-51
Madras Act XXIX of 1949 in the area of self
generating licensees and whereas in G.O.Ms.No.4579 dated
8-12-53 the Chief Electrical Inspector to Government has
been authorised to impose the following restriction, I, Sri.
K. V. Karantha, in exercise of the said powers make the
following order to enable the Mangalore Electric Supply Co.,
to successfully tide over the emergency created consequent to
breakdown of engine generator set in the power house, of
the said company.

The order shall be effective in the area of supply
of M/s Mangalore Electric Supply Co.Ltd., and shall be deemed
to have come into force with immediate effect.

O R D E R.

(I) The licensee Mangalore Electric Supply Co.Ltd.,
shall not comply with any requisition for new Electric Supply or
resumption in supply or increase in supply whether already
sanctioned or otherwise excepting supplies for essential purposes
specially sanctioned by the Chief Electrical Inspector to
Government.

(IX) The weekly holidays of all industrial consumers
shall be compulsorily staggered as per programme approved by
the Chief Electrical Inspector to Government.

(III) Cinemas taking supply from the Mangalore
Electric Supply Company Ltd., shall not exhibit shows between
6 p.m. and 9 p.m. except on Sundays.

(IV) Electrical consumption for street lighting
purposes shall be curtailed by removal of alternate lamps
except at important road crossings and in business centres.

(V) All External Electrical illuminations for
advertisement purposes and display lights shall be out off
between hours 6 p.m. and 8-30 p.m.

(VI) All domestic appliances like heaters, Cookers,
refrigerators irons etc., shall be switched off between the
hours 6 p.m. and 8-30 p.m.

tsv.9.12.53.

Chief Electrical Inspector to Government.

p.t.o.

24/
✓ Copy to the Secretary to Government, Public Works Department for information.

Copy to Chief Engineer for Electricity for information.

Copy to Chief Operation Engineer (South), Madras-2.

Copy to the District Magistrate, South Kanara District for information.

Copy to the District Collector, South Kanara for publishing the notification in the next issue of the District Gazette.

Copy to the Superintendent Government Press for publishing the notification in the next issue of the Fort St. George Gazette.

P.W.D. P.

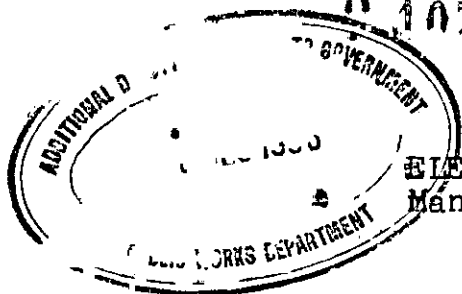
The notification at p23 ante
may be filed.

File
16/12/23
A
17/12/23

✓
17.12.23

ELECTRICITY DEPARTMENT.

Received.....19 . Registered.....19 .



Subject.

ELECTRICITY - Restriction and Control - Emergency in Mangalore Power House.

Reference.

This office letter No.694/K/R&C/52-14, dated 4-12-53.

ENCLOSURES.

No.

Spare copies

No. 694 K/R&C/52-15.

Station.....Madras 2....., Dated the.....9th December,.....1953

From (Name) Sri K.V.Karantha, M.A., M.I.E.,

(Designation) Chief Electrical Inspector
to Government.

To The Secretary to the Government of Madras,

Public Works Department,
Madras 9.

Sir,

Further to the above, a copy of licensee's letter

pp 26-27 below No.Man/2768/67 B, dated 5-12-53 is enclosed ~~is enclosed~~
herewith for information of Government.

Yours faithfully,

Encl: 1.

⑤

gp/10.12.

13
10.12Chief Electrical Inspector
to Government.

p.t.o.

24
- 2 -
Enclosure.

Copy of letter No. MAN/2768/67B, dated 5-12-53 from M/s. The Mangalore Electric Supply Company Ltd., Mangalore, to the Chief Electrical Inspector to Government, 157, Mount Road, Madras 2.

Sub: Electricity - The Mangalore Electric Supply Co., Ltd., - Generating Capacity - Reduction in supply and restrictions.

pp9-10 onto Further to my letter No. Man/2731/67B, dated 1st December 1953 reporting to you details of the accident sustained by No. 1 Sulzer Engine Generating Set, I very much regret to state that No. 5 Petter Brush Generating Set also sustained damage at 8.50 A.M. on 2nd December 1953 when it was running at full load. When a noise was heard from this engine, it was immediately stopped and on opening the inspection covers it was found that No. 3 piston had seized. The piston was removed and it was found that one of the pins fixed in the top ring groove holding the ring had worked out loose and bored a hole through the piston near the crown about ~~1~~ 1" diameter and 1" deep. This had caused the seizure. An inspection of the liner showed only very heavy rubbing marks and scratches with some of the aluminium metal from the piston sticking on to the liner. Although the liner could have been used, it was decided to remove it for closer examination and inspection. When actually attempts were made to remove the liner considerable difficulty was experienced and it could not be removed till about 8 P.M. that day with the result that the work on this engine could not be completed the same day.

On 3rd December 1953, the work was continued and a new piston as well as a liner were fitted in the engine. Certain difficulties were experienced in fitting up the piston as it was found too tight and after considerable difficulty the work was completed at about 8 P.M. The engine was run at no load for a few minutes and stopped to find out whether everything was in order. It was found that the piston had slight scratch marks on its surface along the longitudinal axis indicating that there was some piece of metal which was projecting in the liner. The engine was opened up again the next morning and the liner was honed up and the scratch marks on the piston were removed. It was reinserted and the engine was again started on no load at about 1 P.M. on 4-12-1953. It ran satisfactorily for half an hour without showing any rubbing marks or trouble. The engine was again shut down and re-started at 2.30 P.M. and was put on part load for about two hours. The engine since then is taking its normal share of load.

As it was anticipated that it might become possible to recommission the No. 5 Petter Set on 2nd December 1953 before the peak load hours and as the under-signed was throughout in the Power House he could not report to you the matter the very same day. It was expected that the set would be commissioned by 12 noon on the 3rd instant and even that was not successful. Accordingly, the matter was reported to you on the 3rd instant in the evening by telegram as per post copy already sent to you.

p 15 onto

During the period that this set was also out of commission, further restrictions had to be imposed by switching off the areas in rotation and with the help and co-operation of all the consumers it was possible to carry the reduced load within the capacity of three sets on the 2nd and 3rd instant and on the 4th instant upto 3.30 P.M. On account of this unfortunate breakdown of this set, the tentative programme which had been drafted for staggering of industrial loads and restrictions on load in the evening peak period had to be amended completely and as the under-signed had to spend most of the time in the Power House directing the curtailment of supply to consumers in different areas

equitably, he could not send you the detailed proposals so far. It was also found that in spite of the notices issued in the Press and requests made personally by the staff of the Company to industrial consumers not to work their motors outside the hours stipulated in the sanction accorded to them, several consumers were working outside the hours sanctioned thereby spoiling the attempts at careful staggering of the loads and also putting a strain on the Power House. Since the 4th instant, to avoid further trouble and to reduce the inconvenience to those consumers who are fully co-operating with the Company in reducing their load and shutting down their plant as and when requested and outside the hours fixed for them, the cutout fuses in the consumers installations during the hours they are not permitted to work are being taken out. It is found now that with this method it has been possible to considerably reduce the load on the Station and to take it without having to switch off any area except those which have been decided to stagger for that day. Full details of the staggering and restrictions that would be necessary to be imposed will be forwarded to you.

p 1 ante

In this connection, I acknowledge receipt of a copy of your letter No.694 K/R&C/52-13, dated 1-12-1953. It is noted that in

p.t.o.

28

- 4 -

working out the restrictions, it should be commenced from the most recent load connected or the load to which hours of supply were relaxed. While it may be possible to do this in the case of industrial load, it would be extremely difficult to enforce it in the case of domestic consumers. It is presumed that it is not meant to be enforced on domestic consumers in the manner suggested. However, the matter is being looked into and full details will be submitted.

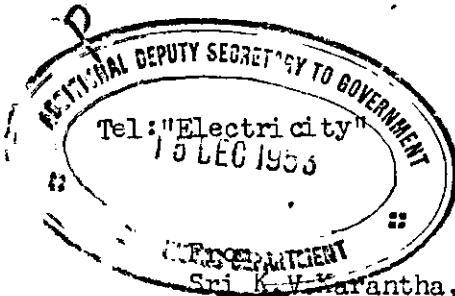
In regard to street lighting, the Commissioner and the Chairman of the Municipality have agreed that alternate lights may be removed other than in squares and road and street crossings. This has been carried out and out of about 1500 lamps 613 have been removed.

/True copy/

sp/10.12.53.

④ V. Sanyal 8th 12
Assistant Engineer (Electrical)

13
10.12



Electricity Department

Very urgent

Sri K. V. Varantha, M.A., M.I.E.,
Chief Electrical Inspector to
Government, 157, Mount Road,
MADRAS-2

To
The Secretary to Government,
Public Works Department,
Fort. St. George,
MADRAS-9.

Letter No. 694 K/ R & C/52-17 dated 12-12-'53.

Sir,

Sub: ELECTRICITY - Mangalore Electric Supply Company Limited-
Breakdown of generating set in licensee's Power House.

Ref: Government Memorandum No. 104102-P/53-1 dated 10-12-'53.

107528
p 21 ante

All the 5 sets running in the Licensee's Power House are his own. Two of these 5 sets got damaged. Licensee has already repaired one. So far Government have not loaned out any set. The 500 K.W. set belonging to the Government and proposed to be given to the licensee on hire terms is under erection and is yet to be commissioned. The other sets in the power house all belong to the licensee only.

Yours faithfully,

K. V. Varantha
Chief Electrical Inspector to Govt.

vb/12-12-53
12/12

100645

The Mangalore Electric Supply Company Limited.

F. 32c.

MANAGING AGENTS:

Octavius Steel & Co., Ltd.,
CALCUTTA.

21 DEC 1953

Resident Engineer's Office,

POST BOX NO. 78
Mangalore 1.

Ref. No. MAN/2870/67B

Dated 18th Dec. 1953

The Secretary to Government,
Public Works Department,
Fort St. George,
Madras.

Dear Sir, Electricity - Mangalore Electrical
Undertaking - Breakdown of
Generating Set in Power House -
100645 Curtailment of Load - Imposition
of Restrictions - Ordered

I acknowledge receipt of a copy of G.O.
Ms.No.4579 dated 8th December 1953.

Yours faithfully,

H. Krishna Murthy
Resident Engineer.

pp 17-19 at ①

P. W. D. (P₁)

May be filed with G.O. Ms.

4579 PW ① 8/12/53 at ①

26/12/53

1/12/53

Sub:-Electricity - Restriction and control -
Mangalore Electrical Undertaking - Break-
down of generating set in Power House-
Curtailment of load - Imposition of res-
trictions.

Read:-From the C.E.I.G. letter No.694-K/R&C/52-13
1-12-53.
From the C.E.I.G. letter No.694-K/R&C/52-14
dated 4-12-53.

The file relates to the proposal of the Chief
Electrical Inspector to Government to introduce
restrictions on the supply and consumption of electri-
cal energy in the area of supply of the Mangalore
Electrical Undertaking in order to tide over the
emergency created by the breakdown of generating sets
in the licensee's Power House.

2.The licensee, the Mangalore Electric
Supply Co., Ltd. has reported that the No.1 Sulzer
generating set of 250 K.W. capacity in his Power
House, has broken down and that it may take sometime
before repairs are effected. Besides this, another
generating set No.5 Petter Brush set is also reported
to have temporarily failed. ~~However~~ The licensee
hopes to recommission this set early. The capacity
of the licensee's generating station has thus been
curtailed by more than 250 K.W. The licensee has
reported that the present peak demand of the station
is 950 K.W. during day time and 1150 K.W. in the eve-
ning. ~~during the peak hour period~~. As the available
capacity of the Power House is insufficient to meet the
above demand it is essential to curtail the demand
to 750 K.W. daytime and 1000 K.W. evening. He has
accordingly proposed to tide over the emergency
by restricting power loads in the morning and supply
to cinemas, advertisement, street lighting and other
non-essential loads in the evening. The licensee has
already issued notices to his consumers advising
them to restrict their consumption of energy during
evening peak hours.

3.The C.E.I.G. has stated that urgent action
has to be taken to curtail the load demand in the
evening to

Power House to tide over the emergency successfully and he has proposed that the following scheme of restrictions may be imposed in the area of the Mangalore Electrical Undertaking during the period of the emergency:-

*Vide restrictions
detailed on pps-6ef*

- (i) The licensee, the Mangalore Electric Supply Co. Ltd., shall not comply with any requisition for new Electric Supply or resumption in supply or increase in supply whether already sanctioned or otherwise excepting supplies for essential purposes specially sanctioned by the C.E.I.G.,
- (ii) The weekly holidays of all industrial consumers should be compulsorily staggered as per programme to be approved by the C.E.I.G.,
- (iii) Cinemas taking supply from the Mangalore Electric Supply Co. Ltd. should not give shows between 6 P.M. and 9 P.M. except on Sundays,,
- (iv) Electricity consumption for street lighting purposes should be curtailed by removal of alternate lamps except at important road crossings and in business centres,
- (v) All external Electrical illuminations for advertisement purposes and display lights are to be cut off between the hours 6 P.M. and 8.30 P.M.,
- (vi) All domestic appliances like heaters, cookers refrigerators, irons, etc., should be switched off between the hours 6 P.M. and 8.30 P.M.,

The C.E.I.G. has requested that he may be permitted to impose further restrictions, if such necessity arises, in anticipation of approval of the Government. With a view to ensure effective enforcement of the

Am p 5ef

para 2, p 70j

not put up

pp 21-22ej (T)

S.O. No. 4112 R
11.10.51

A. I. P. P.

B over p 22ej (T)

p 50j

How p 50j

para 2, p 10j

restrictions so as to bring about the anticipated relief to the system he has also suggested that he may be authorised by the Government under section 3 of the Madras Essential Articles Control and Requisitioning (Temporary Powers) Act, 1949 to ^{empower} ~~authorise~~ the licensee to discontinue supply to any consumer who has been repeatedly found violating the restrictions imposed after giving 24 hours notice in writing.

4. It may be stated in this connection that the Government in G.O. Ms. No. 4112 P.W. dated 11-10-51 have delegated to the officers of the Electricity Department the powers conferred on them by Section 3 of the Madras Essential Articles Control and Requisitioning (Temporary Powers) Act, 1949 in relation to electrical energy, to regulate the supply of electrical energy, in accordance with any scheme of restrictions that might be sanctioned by the Government from time to time to meet the power shortage caused by the failure of the monsoon, shortage of fuel, or any other emergency, and the C.E.I.G. has been authorised to take necessary action in this regard in the areas of self-generating licensees and licensees who receive bulk supply from a source other than the Government Electricity Department. The C.E.I.G. has now requested the sanction of the Government for imposing the restrictions referred to at p.2 ante.

5. In the circumstances, the following proposals of the C.E.I.G. may be approved:-

- (i) to introduce the scheme of restrictions mentioned at p.2 ante,
- (ii) to effect further restrictions, if any, himself in anticipation of approval of the Government, and
- (iii) to authorise the licensee to disconnect supply to any consumer found violating the

restrictions repeatedly, after
giving 24 hours notice in writing.

The District Magistrate, South Kanara may be requested to afford to the C.E.I.G. all the assistance needed to give effect to the scheme. The licensee has already published notices to consumers for reducing the load in a local daily. As this is a matter of only local importance and relates to a self-generating licensee there is no need for Government to issue a Press Note.

6 A draft order is submitted for approval. The file may be circulated to M(W) for approval.

*W.S.
7/12/53.
10
7/12/53*

T. V. Narayan

8-12-53



*M(W) Approved
[Signature]
8/12*

(Approved.

Shanmuga Rajeswaran,
8/12)

*In re. Please find out whether any of the
sets damaged is the set given to the
Company by Govt on hire terms.
8/12/53.*

Submitted: that the terms of the agreement to be entered into with the Mangalore Licensee for the hiring of a generator set (~~to be given to him here-
after~~ the
after) is under consideration. From information available in this Department, it appears that no

set has ^{actually} been hired to the licensee ^{so far.} The C.E.I.G. may be consulted. A draft Memo. is submitted.

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9.12.53

note
9/12/53
9/12/53

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10.12.53

p21 cf
p22 cf
p22 cf

Issued as memo no.104102P/53-1 dated 10-12-53. to the C.E.I.G.

From the C.E.I.G.Lr.No.694K/R&C/52-15 dated 9-12-53.
" " " Lr.No.694K/R&C/52-17 dated 12-12-53.

The C.E.I.G.'s letters at pp.25 and 29 c.f. may be perused.

With reference to the Secretary's orders at 'X' on p.4 ante, the C.E.I.G. has reported that all the ⁵sets at present running in the licensee's Power House are his own and that the Govt. have not loaned out any set so far. The 500 K.W. set proposed to be hired out to the licensee is still under erection and has not yet been commissioned. The sets now damaged are ^{owned by the} ~~therefore~~ licensee's own. In view of the C.E.I.G.'s report no further action seems necessary in this file. The file may be closed.

p29 cf

note
21/12/53
21/12/53

N
24-12-53

Secy.

26/12/53